



### **Kuesioner Penelitian**

## **PENGARUH KUALITAS PELAYANAN TERHADAP KEPUASAN PELANGGAN PENGGUNA JASA LAPANGAN FUTSAL DI KABUPATEN PATI**

Dengan hormat,

Kuisisioner ini ditujukan untuk membantu pengumpulan data penelitian guna penyusunan skripsi yang berjudul “Pengaruh Kualitas Pelayanan Terhadap Kepuasan Pelanggan Pengguna Jasa Lapangan Futsal Di Kabupaten Pati”. Yang merupakan salah satu syarat bagi peneliti untuk dapat menyelesaikan studi program S1 Jurusan Manajemen Fakultas Ekonomi Universitas Muria Kudus.

Untuk itu peneliti memohon bantuan kepada saudara / saudari untuk bersedia meluangkan waktunya untuk mengisi kuesioner inidengan sebenar-benarnya. Atas ketersediaanya, peneliti mengucapkan terima kasih.

**Hormat saya,**

**Moh. Choirudin**

**NIM. 2012 11 287**

**Petunjuk Pengisian :** Berilah tanda (X atau  $\checkmark$ ) pada jawaban anda.

Kriteria penilaian :

- Sangat Setuju = 5  
 Setuju = 4  
 Netral/Ragu-Ragu = 3  
 Tidak Setuju = 2  
 Sangat Tidak Setuju = 1

Usia :

- a.  $\leq 15$  tahun c. 21-25 tahun  
 b. 16-20 tahun d.  $\geq 26$  tahun

Pekerjaan :

- a. Pelajar/Mahasiswa c. PNS  
 b. Pegawai Swasta d. Lain-Lain

| Bukti Fisik |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|
| No.         | Pernyataan  | 5 | 4 | 3 | 2 | 1 |
| 1.          | Apakah kondisi peralatan atau perlengkapan futsal seperti Bola, Papan Score dll baik dan layak digunakan?                 |   |   |   |   |   |
| 2.          | Apakah kondisi sarana seperti lapangan futsal, matras, bangku penonton dll dapat digunakan dengan baik?                   |   |   |   |   |   |
| 3.          | Apakah karyawan secara ramah dan professional dalam melayani pelanggan?   |   |   |   |   |   |
| 4.          | Apakah fasilitas dan pelayanan yang diberikan sudah sesuai seperti adanya kantin ataupun cafe serta fasilitas tournament? |   |   |   |   |   |

| Kehandalan |   |   |   |   |   |   |
|------------|---|---|---|---|---|---|
| No.        | Pernyataan  | 5 | 4 | 3 | 2 | 1 |
| 1.         | Apakah pelayanan sudah sesuai dengan yang diharapkan? |   |   |   |   |   |

|    |   |  |  |  |  |  |
|----|---|--|--|--|--|--|
| 2. | Apakah karyawan peduli dan ramah terhadap pengunjung?                         |  |  |  |  |  |
| 3. | Apakah respon karyawan cepat ?  |  |  |  |  |  |
| 4. | Apakah karyawan memberikan respon secara tepat terhadap kebutuhan pengunjung? |  |  |  |  |  |
| 5. | Apakah karyawan melakukan pendataan secara tepat?                             |  |  |  |  |  |

| Daya tanggap |  |   |   |   |   |   |
|--------------|--|---|---|---|---|---|
| No.          | Pernyataan   | 5 | 4 | 3 | 2 | 1 |
| 1.           | Apakah penyampaian informasi diberikan dengan jelas?           |   |   |   |   |   |
| 2.           | Apakah pelayanan administrasi cepat dan tepat?                 |   |   |   |   |   |
| 3.           | Apakah karyawan bersedia membantu keperluan pelanggan?         |   |   |   |   |   |
| 4.           | Apakah respon yang dilakukan dengan baik apabila ada complain? |   |   |   |   |   |

| Jaminan |  |   |   |   |   |   |
|---------|--|---|---|---|---|---|
| No.     | Pernyataan   | 5 | 4 | 3 | 2 | 1 |
| 1.      | Apakah jaminan keamanan sudah sesuai harapan?                                  |   |   |   |   |   |
| 2.      | Apakah penanganan keluhan diberikan dengan baik?                               |   |   |   |   |   |
| 3.      | Apakah penyedia jasa memberikan dukungan dan kerjasama terhadap pengguna jasa? |   |   |   |   |   |

| Empati |  |   |   |   |   |   |
|--------|--|---|---|---|---|---|
| No.    | Pernyataan   | 5 | 4 | 3 | 2 | 1 |
| 1.     | Apakah karyawan memberikan perhatian terhadap pengguna jasa?                     |   |   |   |   |   |
| 2.     | Apakah staf/pegawai secara pribadi memberikan perhatian dan akrab pada konsumen? |   |   |   |   |   |
| 3.     | Apakah penyedia jasa mengutamakan kepentingan pengguna jasa?                     |   |   |   |   |   |

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 4. | Apakah penyedia jasa memberikan pengertian dan toleransi terhadap pengguna jasa apabila terjadi masalah? |  |  |  |  |  |
| 5. | Apakah penyedia jasa memiliki toleransi dalam penggunaan jasa seperti perubahan jadwal booking?          |  |  |  |  |  |

| <b>Keputusan Pengunjung</b> |  |          |          |          |          |          |
|-----------------------------|--|----------|----------|----------|----------|----------|
| <b>No.</b>                  | <b>Pernyataan</b>  | <b>5</b> | <b>4</b> | <b>3</b> | <b>2</b> | <b>1</b> |
| 1.                          | Apakah di waktu yang akan datang akan melakukan pembelian ulang jasa yang sama?  |          |          |          |          |          |
| 2.                          | Apakah selain menggunakan jasa lapangan futsal juga menggunakan jasa yang lain seperti menggunakan fasilitas kantin ataupun cafe untuk acara nobar sepak bola? |          |          |          |          |          |
| 3.                          | Apakah Anda bersedia merekomendasikan kepada orang lain tentang kepuasan menggunakan jasa?   |          |          |          |          |          |
| 4.                          | Apakah Anda bersedia tidak berpaling menggunakan jasa lapangan futsal yang lain?   |          |          |          |          |          |

## LAMPIRAN 1

### 1. Frekuensi Jawaban Responen Variabel Bukti Fisik (X<sub>1</sub>)

**X1.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Tidak Setuju  | 1         | 1.0     | 1.0           | 1.0                |
|       | Ragu-ragu     | 14        | 14.0    | 14.0          | 15.0               |
|       | Setuju        | 70        | 70.0    | 70.0          | 85.0               |
|       | Sangat Setuju | 15        | 15.0    | 15.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X1.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 16        | 16.0    | 16.0          | 16.0               |
|       | Setuju        | 72        | 72.0    | 72.0          | 88.0               |
|       | Sangat Setuju | 12        | 12.0    | 12.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X1.3**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Tidak Setuju  | 3         | 3.0     | 3.0           | 3.0                |
|       | Ragu-ragu     | 19        | 19.0    | 19.0          | 22.0               |
|       | Setuju        | 67        | 67.0    | 67.0          | 89.0               |
|       | Sangat Setuju | 11        | 11.0    | 11.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X1.4**

|  |  | Frequency | Percent | Valid Percent | Cumulative Percent |
|--|--|-----------|---------|---------------|--------------------|
|--|--|-----------|---------|---------------|--------------------|

|       |               |     |       |       |       |
|-------|---------------|-----|-------|-------|-------|
| Valid | Tidak Setuju  | 1   | 1.0   | 1.0   | 1.0   |
|       | Ragu-ragu     | 32  | 32.0  | 32.0  | 33.0  |
|       | Setuju        | 62  | 62.0  | 62.0  | 95.0  |
|       | Sangat Setuju | 5   | 5.0   | 5.0   | 100.0 |
|       | Total         | 100 | 100.0 | 100.0 |       |

## 2. Frekuensi Jawaban Responden Variabel Kehandalan ( $X_2$ )

**X2.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 14        | 14.0    | 14.0          | 14.0               |
|       | Setuju        | 59        | 59.0    | 59.0          | 73.0               |
|       | Sangat Setuju | 27        | 27.0    | 27.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X2.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 20        | 20.0    | 20.0          | 20.0               |
|       | Setuju        | 49        | 49.0    | 49.0          | 69.0               |
|       | Sangat Setuju | 31        | 31.0    | 31.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X2.3**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 23        | 23.0    | 23.0          | 23.0               |
|       | Setuju        | 50        | 50.0    | 50.0          | 73.0               |
|       | Sangat Setuju | 27        | 27.0    | 27.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X2.4**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 11        | 11.0    | 11.0          | 11.0               |
|       | Setuju        | 70        | 70.0    | 70.0          | 81.0               |
|       | Sangat Setuju | 19        | 19.0    | 19.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X2.5**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 16        | 16.0    | 16.0          | 16.0               |
|       | Setuju        | 59        | 59.0    | 59.0          | 75.0               |
|       | Sangat Setuju | 25        | 25.0    | 25.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

### 3. Frekuensi Jawaban Responden Variabel Daya Tanggap

**X3.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Tidak Setuju  | 1         | 1.0     | 1.0           | 1.0                |
|       | Ragu-ragu     | 9         | 9.0     | 9.0           | 10.0               |
|       | Setuju        | 67        | 67.0    | 67.0          | 77.0               |
|       | Sangat Setuju | 23        | 23.0    | 23.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X3.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 12        | 12.0    | 12.0          | 12.0               |
|       | Setuju        | 68        | 68.0    | 68.0          | 80.0               |
|       | Sangat Setuju | 20        | 20.0    | 20.0          | 100.0              |



**X3.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 12        | 12.0    | 12.0          | 12.0               |
|       | Setuju        | 68        | 68.0    | 68.0          | 80.0               |
|       | Sangat Setuju | 20        | 20.0    | 20.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X3.3**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 16        | 16.0    | 16.0          | 16.0               |
|       | Setuju        | 66        | 66.0    | 66.0          | 82.0               |
|       | Sangat Setuju | 18        | 18.0    | 18.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X3.4**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Tidak Setuju  | 1         | 1.0     | 1.0           | 1.0                |
|       | Ragu-ragu     | 33        | 33.0    | 33.0          | 34.0               |
|       | Setuju        | 58        | 58.0    | 58.0          | 92.0               |
|       | Sangat Setuju | 8         | 8.0     | 8.0           | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

#### 4. Frekuensi Jawaban Responden Variabel Jaminan (X<sub>4</sub>)

**X4.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 12        | 12.0    | 12.0          | 12.0               |
|       | Setuju        | 49        | 49.0    | 49.0          | 61.0               |
|       | Sangat Setuju | 39        | 39.0    | 39.0          | 100.0              |



**X4.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 12        | 12.0    | 12.0          | 12.0               |
|       | Setuju        | 49        | 49.0    | 49.0          | 61.0               |
|       | Sangat Setuju | 39        | 39.0    | 39.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X4.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 23        | 23.0    | 23.0          | 23.0               |
|       | Setuju        | 47        | 47.0    | 47.0          | 70.0               |
|       | Sangat Setuju | 30        | 30.0    | 30.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X4.3**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 10        | 10.0    | 10.0          | 10.0               |
|       | Setuju        | 65        | 65.0    | 65.0          | 75.0               |
|       | Sangat Setuju | 25        | 25.0    | 25.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

## 5. Frekuensi Jawaban Responden Variabel Empati (X<sub>5</sub>)

**X5.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 24        | 24.0    | 24.0          | 24.0               |
|       | Setuju        | 52        | 52.0    | 52.0          | 76.0               |
|       | Sangat Setuju | 24        | 24.0    | 24.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X5.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 37        | 37.0    | 37.0          | 37.0               |
|       | Setuju        | 35        | 35.0    | 35.0          | 72.0               |
|       | Sangat Setuju | 28        | 28.0    | 28.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X5.3**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 20        | 20.0    | 20.0          | 20.0               |
|       | Setuju        | 46        | 46.0    | 46.0          | 66.0               |
|       | Sangat Setuju | 34        | 34.0    | 34.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X5.4**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 2         | 2.0     | 2.0           | 2.0                |
|       | Setuju        | 74        | 74.0    | 74.0          | 76.0               |
|       | Sangat Setuju | 24        | 24.0    | 24.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**X5.5**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 2         | 2.0     | 2.0           | 2.0                |
|       | Setuju        | 64        | 64.0    | 64.0          | 66.0               |
|       | Sangat Setuju | 34        | 34.0    | 34.0          | 100.0              |

**X5.5**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 2         | 2.0     | 2.0           | 2.0                |
|       | Setuju        | 64        | 64.0    | 64.0          | 66.0               |
|       | Sangat Setuju | 34        | 34.0    | 34.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**6. Frekuensi Jawaban Responden Variabel Kepuasan Pelanggan (Y)****Y1.1**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 17        | 17.0    | 17.0          | 17.0               |
|       | Setuju        | 60        | 60.0    | 60.0          | 77.0               |
|       | Sangat Setuju | 23        | 23.0    | 23.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**Y1.2**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 27        | 27.0    | 27.0          | 27.0               |
|       | Setuju        | 55        | 55.0    | 55.0          | 82.0               |
|       | Sangat Setuju | 18        | 18.0    | 18.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

**Y1.3**

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Ragu-ragu     | 13        | 13.0    | 13.0          | 13.0               |
|       | Setuju        | 60        | 60.0    | 60.0          | 73.0               |
|       | Sangat Setuju | 27        | 27.0    | 27.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

Y1.4

|       |               | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|---------------|-----------|---------|---------------|--------------------|
| Valid | Tidak Setuju  | 2         | 2.0     | 2.0           | 2.0                |
|       | Ragu-ragu     | 54        | 54.0    | 54.0          | 56.0               |
|       | Setuju        | 33        | 33.0    | 33.0          | 89.0               |
|       | Sangat Setuju | 11        | 11.0    | 11.0          | 100.0              |
|       | Total         | 100       | 100.0   | 100.0         |                    |

Deskripsi Responden Berdasarkan Usia

|       |           | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-----------|-----------|---------|---------------|--------------------|
| Valid | ≤15th     | 17        | 17.0    | 17.0          | 17.0               |
|       | 16 > 20th | 28        | 28.0    | 28.0          | 45.0               |
|       | 21 > 25th | 36        | 36.0    | 36.0          | 64.0               |
|       | ≥26       | 19        | 19.0    | 19.0          | 100.0              |
|       | Total     | 100       | 100.0   | 100.0         |                    |

Deskripsi Responden Berdasarkan Pekerjaan

|       |                   | Frequency | Percent | Valid Percent | Cumulative Percent |
|-------|-------------------|-----------|---------|---------------|--------------------|
| Valid | Pelajar/Mahasiswa | 48        | 48.0    | 48.0          | 48.0               |
|       | Pegawai Swasta    | 23        | 23.0    | 23.0          | 71.0               |
|       | PNS               | 18        | 18.0    | 18.0          | 89.0               |
|       | Lain-lain         | 11        | 11.0    | 11.0          | 100.0              |
|       | Total             | 100       | 100.0   | 100.0         |                    |

## Lampiran 2

### 1. Uji Validitas X1 (Bukti Fisik)

|            |                     | Correlations |        |        |        |            |
|------------|---------------------|--------------|--------|--------|--------|------------|
|            |                     | X1.1         | X1.2   | X1.3   | X1.4   | Total_skor |
| X1.1       | Pearson Correlation | 1            | .439*  | .297   | .186   | .680**     |
|            | Sig. (2-tailed)     |              | .028   | .150   | .374   | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| X1.2       | Pearson Correlation | .439*        | 1      | .350   | .253   | .732**     |
|            | Sig. (2-tailed)     | .028         |        | .087   | .222   | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| X1.3       | Pearson Correlation | .297         | .350   | 1      | .300   | .705**     |
|            | Sig. (2-tailed)     | .150         | .087   |        | .144   | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| X1.4       | Pearson Correlation | .186         | .253   | .300   | 1      | .647**     |
|            | Sig. (2-tailed)     | .374         | .222   | .144   |        | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| Total_skor | Pearson Correlation | .680**       | .732** | .705** | .647** | 1          |
|            | Sig. (2-tailed)     | .000         | .000   | .000   | .000   |            |
|            | N                   | 25           | 25     | 25     | 25     | 25         |

\*. Correlation is significant at the 0.05 level (2-tailed).

\*\*. Correlation is significant at the 0.01 level (2-tailed).

### 2. Uji Validitas Variabel Kehandalan

|      |                     | Correlations      |                   |                   |                    |      |                    |
|------|---------------------|-------------------|-------------------|-------------------|--------------------|------|--------------------|
|      |                     | X2.1              | X2.2              | X2.3              | X2.4               | X2.5 | Total_skor         |
| X2.1 | Pearson Correlation | 1                 | .485 <sup>*</sup> | .423 <sup>*</sup> | .221               | .119 | .741 <sup>**</sup> |
|      | Sig. (2-tailed)     |                   | .014              | .035              | .288               | .572 | .000               |
|      | N                   | 25                | 25                | 25                | 25                 | 25   | 25                 |
| X2.2 | Pearson Correlation | .485 <sup>*</sup> | 1                 | .089              | .060               | .342 | .668 <sup>**</sup> |
|      | Sig. (2-tailed)     | .014              |                   | .671              | .775               | .094 | .000               |
|      | N                   | 25                | 25                | 25                | 25                 | 25   | 25                 |
| X2.3 | Pearson Correlation | .423 <sup>*</sup> | .089              | 1                 | .539 <sup>**</sup> | .205 | .682 <sup>**</sup> |

|            |                     |        |        |        |        |        |        |
|------------|---------------------|--------|--------|--------|--------|--------|--------|
|            | Sig. (2-tailed)     | .035   | .671   |        | .005   | .326   | .000   |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25     |
| X2.4       | Pearson Correlation | .221   | .060   | .539** | 1      | .185   | .571** |
|            | Sig. (2-tailed)     | .288   | .775   | .005   |        | .377   | .003   |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25     |
| X2.5       | Pearson Correlation | .119   | .342   | .205   | .185   | 1      | .537** |
|            | Sig. (2-tailed)     | .572   | .094   | .326   | .377   |        | .006   |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25     |
| Total_skor | Pearson Correlation | .741** | .668** | .682** | .571** | .537** | 1      |
|            | Sig. (2-tailed)     | .000   | .000   | .000   | .003   | .006   |        |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25     |

\*. Correlation is significant at the 0.05 level (2-tailed).

\*\*. Correlation is significant at the 0.01 level (2-tailed).

### 3. Uji Validitas Daya Tanggap

#### Correlations

|            |                     | X3.1   | X3.2   | X3.3   | X3.4   | Total_skor |
|------------|---------------------|--------|--------|--------|--------|------------|
| X3.1       | Pearson Correlation | 1      | .359   | .310   | .101   | .622**     |
|            | Sig. (2-tailed)     |        | .078   | .131   | .631   | .001       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| X3.2       | Pearson Correlation | .359   | 1      | .456*  | .281   | .771**     |
|            | Sig. (2-tailed)     | .078   |        | .022   | .174   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| X3.3       | Pearson Correlation | .310   | .456*  | 1      | .271   | .733**     |
|            | Sig. (2-tailed)     | .131   | .022   |        | .190   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| X3.4       | Pearson Correlation | .101   | .281   | .271   | 1      | .622**     |
|            | Sig. (2-tailed)     | .631   | .174   | .190   |        | .001       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| Total_skor | Pearson Correlation | .622** | .771** | .733** | .622** | 1          |
|            | Sig. (2-tailed)     | .001   | .000   | .000   | .001   |            |
|            | N                   | 25     | 25     | 25     | 25     | 25         |

\*\*. Correlation is significant at the 0.01 level (2-tailed).

**Correlations**

|            |                     | X3.1   | X3.2   | X3.3   | X3.4   | Total_skor |
|------------|---------------------|--------|--------|--------|--------|------------|
| X3.1       | Pearson Correlation | 1      | .359   | .310   | .101   | .622**     |
|            | Sig. (2-tailed)     |        | .078   | .131   | .631   | .001       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| X3.2       | Pearson Correlation | .359   | 1      | .456*  | .281   | .771**     |
|            | Sig. (2-tailed)     | .078   |        | .022   | .174   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| X3.3       | Pearson Correlation | .310   | .456*  | 1      | .271   | .733**     |
|            | Sig. (2-tailed)     | .131   | .022   |        | .190   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| X3.4       | Pearson Correlation | .101   | .281   | .271   | 1      | .622**     |
|            | Sig. (2-tailed)     | .631   | .174   | .190   |        | .001       |
|            | N                   | 25     | 25     | 25     | 25     | 25         |
| Total_skor | Pearson Correlation | .622** | .771** | .733** | .622** | 1          |
|            | Sig. (2-tailed)     | .001   | .000   | .000   | .001   |            |
|            | N                   | 25     | 25     | 25     | 25     | 25         |

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

#### 4. Uji Validitas Variabel Jaminan

**Correlations**

|      |                     | X4.1   | X4.2   | X4.3  | Total_skor |
|------|---------------------|--------|--------|-------|------------|
| X4.1 | Pearson Correlation | 1      | .566** | .503* | .879**     |
|      | Sig. (2-tailed)     |        | .003   | .010  | .000       |
|      | N                   | 25     | 25     | 25    | 25         |
| X4.2 | Pearson Correlation | .566** | 1      | .160  | .771**     |
|      | Sig. (2-tailed)     | .003   |        | .446  | .000       |
|      | N                   | 25     | 25     | 25    | 25         |
| X4.3 | Pearson Correlation | .503*  | .160   | 1     | .683**     |
|      | Sig. (2-tailed)     | .010   | .446   |       | .000       |



|            |                     |        |        |        |    |
|------------|---------------------|--------|--------|--------|----|
|            | N                   | 25     | 25     | 25     | 25 |
| Total_skor | Pearson Correlation | .879** | .771** | .683** | 1  |
|            | Sig. (2-tailed)     | .000   | .000   | .000   |    |
|            | N                   | 25     | 25     | 25     | 25 |

\*\* . Correlation is significant at the 0.01 level (2-tailed).

\* . Correlation is significant at the 0.05 level (2-tailed).

## 5. Uji Validitas Variabel Empati

Correlations

|            |                     | X5.1   | X5.2   | X5.3   | X5.4   | X5.5   | Skor_total |
|------------|---------------------|--------|--------|--------|--------|--------|------------|
| X5.1       | Pearson Correlation | 1      | .494*  | .500*  | .291   | .188   | .773**     |
|            | Sig. (2-tailed)     |        | .012   | .011   | .158   | .367   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25         |
| X5.2       | Pearson Correlation | .494*  | 1      | .158   | .122   | .400*  | .699**     |
|            | Sig. (2-tailed)     | .012   |        | .451   | .560   | .048   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25         |
| X5.3       | Pearson Correlation | .500*  | .158   | 1      | .539** | .205   | .704**     |
|            | Sig. (2-tailed)     | .011   | .451   |        | .005   | .326   | .000       |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25         |
| X5.4       | Pearson Correlation | .291   | .122   | .539** | 1      | .185   | .593**     |
|            | Sig. (2-tailed)     | .158   | .560   | .005   |        | .377   | .002       |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25         |
| X5.5       | Pearson Correlation | .188   | .400*  | .205   | .185   | 1      | .559**     |
|            | Sig. (2-tailed)     | .367   | .048   | .326   | .377   |        | .004       |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25         |
| Skor_total | Pearson Correlation | .773** | .699** | .704** | .593** | .559** | 1          |
|            | Sig. (2-tailed)     | .000   | .000   | .000   | .002   | .004   |            |
|            | N                   | 25     | 25     | 25     | 25     | 25     | 25         |

\* . Correlation is significant at the 0.05 level (2-tailed).

\*\* . Correlation is significant at the 0.01 level (2-tailed).

## 6.

## 7. Uji Validitas Variabel Kepuasan Pelanggan

|            |                     | Correlations |        |        |        |            |
|------------|---------------------|--------------|--------|--------|--------|------------|
|            |                     | Y1.1         | Y1.2   | Y1.3   | Y1.4   | Skor_total |
| Y1.1       | Pearson Correlation | 1            | .300   | .201   | .086   | .556**     |
|            | Sig. (2-tailed)     |              | .145   | .335   | .683   | .004       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| Y1.2       | Pearson Correlation | .300         | 1      | .511** | .346   | .803**     |
|            | Sig. (2-tailed)     | .145         |        | .009   | .090   | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| Y1.3       | Pearson Correlation | .201         | .511** | 1      | .237   | .705**     |
|            | Sig. (2-tailed)     | .335         | .009   |        | .254   | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| Y1.4       | Pearson Correlation | .086         | .346   | .237   | 1      | .646**     |
|            | Sig. (2-tailed)     | .683         | .090   | .254   |        | .000       |
|            | N                   | 25           | 25     | 25     | 25     | 25         |
| Skor_total | Pearson Correlation | .556**       | .803** | .705** | .646** | 1          |
|            | Sig. (2-tailed)     | .004         | .000   | .000   | .000   |            |
|            | N                   | 25           | 25     | 25     | 25     | 25         |

\*\* . Correlation is significant at the 0.01 level (2-tailed).

## 8. Scale: Bukti Fisik

| Case Processing Summary |                       |    |       |
|-------------------------|-----------------------|----|-------|
|                         |                       | N  | %     |
| Cases                   | Valid                 | 25 | 100.0 |
|                         | Excluded <sup>a</sup> | 0  | .0    |
|                         | Total                 | 25 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

### Reliability Statistics

|            |            |
|------------|------------|
| Cronbach's |            |
| Alpha      | N of Items |

**Case Processing Summary**

|       |                       | N    | %     |
|-------|-----------------------|------|-------|
| Cases | Valid                 | 25   | 100.0 |
|       | Excluded <sup>a</sup> | 0    | .0    |
|       | Total                 | 25   | 100.0 |
|       |                       | .633 | 4     |

**Item-Total Statistics**

|      | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|------|----------------------------|--------------------------------|----------------------------------|----------------------------------|
| X1.1 | 11.20                      | 2.250                          | .416                             | .562                             |
| X1.2 | 11.52                      | 2.093                          | .483                             | .514                             |
| X1.3 | 11.32                      | 2.143                          | .435                             | .548                             |
| X1.4 | 11.80                      | 2.250                          | .327                             | .629                             |

**9. Scale: Kehandalan****Case Processing Summary**

|       |                       | N  | %     |
|-------|-----------------------|----|-------|
| Cases | Valid                 | 25 | 100.0 |
|       | Excluded <sup>a</sup> | 0  | .0    |
|       | Total                 | 25 | 100.0 |

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .644             | 5          |

a. Listwise deletion based on all variables in the procedure.

**Item-Total Statistics**

|      | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|------|----------------------------|--------------------------------|----------------------------------|----------------------------------|
| X2.1 | 16.20                      | 2.833                          | .512                             | .529                             |
| X2.2 | 16.32                      | 2.977                          | .371                             | .612                             |
| X2.3 | 16.12                      | 3.110                          | .450                             | .564                             |

|      |       |       |      |      |
|------|-------|-------|------|------|
| X2.4 | 16.00 | 3.583 | .358 | .610 |
| X2.5 | 16.00 | 3.667 | .314 | .627 |

### 10. Scale: Daya Tanggap

**Reliability Statistics**

| Cronbach's Alpha | N of Items |
|------------------|------------|
| .626             | 4          |

**Case Processing Summary**

|                       | N  | %     |
|-----------------------|----|-------|
| Cases Valid           | 25 | 100.0 |
| Excluded <sup>a</sup> | 0  | .0    |
| Total                 | 25 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

**Item-Total Statistics**

|      | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|------|----------------------------|--------------------------------|----------------------------------|----------------------------------|
| X3.1 | 11.28                      | 2.377                          | .341                             | .600                             |
| X3.2 | 11.64                      | 1.907                          | .521                             | .464                             |
| X3.3 | 11.44                      | 2.090                          | .491                             | .495                             |
| X3.4 | 11.96                      | 2.290                          | .288                             | .644                             |

### 11. Scale: Jaminan

**Case Processing Summary**

|                       | N  | %     |
|-----------------------|----|-------|
| Cases Valid           | 25 | 100.0 |
| Excluded <sup>a</sup> | 0  | .0    |
| Total                 | 25 | 100.0 |

### Case Processing Summary

|       |                       | N  | %     |
|-------|-----------------------|----|-------|
| Cases | Valid                 | 25 | 100.0 |
|       | Excluded <sup>a</sup> | 0  | .0    |
|       | Total                 | 25 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

### Reliability Statistics

|                  |            |
|------------------|------------|
| Cronbach's Alpha | N of Items |
| .668             | 3          |

### Item-Total Statistics

|      | Scale Mean if Item Deleted | Scale Variance if Item Deleted | Corrected Item-Total Correlation | Cronbach's Alpha if Item Deleted |
|------|----------------------------|--------------------------------|----------------------------------|----------------------------------|
| X4.1 | 7.96                       | 1.373                          | .704                             | .272                             |
| X4.2 | 8.08                       | 1.493                          | .419                             | .670                             |
| X4.3 | 7.88                       | 1.860                          | .358                             | .717                             |

## 12. Scale: Variabel Empati

### Case Processing Summary

|       |                       | N  | %     |
|-------|-----------------------|----|-------|
| Cases | Valid                 | 25 | 100.0 |
|       | Excluded <sup>a</sup> | 0  | .0    |
|       | Total                 | 25 | 100.0 |

a. Listwise deletion based on all variables in the procedure.

### Reliability Statistics

|                  |            |
|------------------|------------|
| Cronbach's Alpha | N of Items |
| .689             | 5          |

## 13. Scale: Variabel Kepuasan Pelanggan

### Case Processing Summary

|       |                       | N  | %     |
|-------|-----------------------|----|-------|
| Cases | Valid                 | 25 | 100.0 |
|       | Excluded <sup>a</sup> | 0  | .0    |
|       | Total                 | 25 | 100.0 |

**Reliability Statistics**

|                  |            |
|------------------|------------|
| Cronbach's Alpha | N of Items |
| .610             | 4          |

a. Listwise deletion based on all variables in the procedure.

**Variables Entered/Removed**

| Model | Variables Entered   | Variables Removed | Method |
|-------|---|-------------------|--------|
| 1     | Empati, Bukti Fisik, Jaminan, Daya Tanggap, Kehandalan <sup>a</sup> |                   | Enter  |

a. All requested variables entered.

**Model Summary**

| Model | R                 | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1     | .736 <sup>a</sup> | .542     | .517              | 1.222                      |

a. Predictors: (Constant), Empati, Bukti Fisik, Jaminan, Daya Tanggap, Kehandalan

**ANOVA<sup>b</sup>**

| Model |            | Sum of Squares | Df | Mean Square | F      | Sig.              |
|-------|------------|----------------|----|-------------|--------|-------------------|
| 1     | Regression | 165.842        | 5  | 33.168      | 22.215 | .000 <sup>a</sup> |
|       | Residual   | 140.348        | 94 | 1.493       |        |                   |
|       | Total      | 306.190        | 99 |             |        |                   |

a. Predictors: (Constant), Empati, Bukti Fisik, Jaminan, Daya Tanggap, Kehandalan

b. Dependent Variable: Kepuasan Pelanggan

Coefficients<sup>a</sup>

| Model |              | Unstandardized Coefficients |            | Standardized Coefficients | t      | Sig. |
|-------|--------------|-----------------------------|------------|---------------------------|--------|------|
|       |              | B                           | Std. Error | Beta                      |        |      |
| 1     | (Constant)   | 10.821                      | 2.187      |                           | 4.947  | .000 |
|       | Bukti Fisik  | .361                        | .091       | .294                      | 3.952  | .000 |
|       | Kehandalan   | -.295                       | .100       | -.298                     | -2.945 | .004 |
|       | Daya Tanggap | .431                        | .080       | .408                      | 5.363  | .000 |
|       | Jaminan      | .165                        | .091       | .132                      | 1.817  | .072 |
|       | Empati       | -.130                       | .087       | -.149                     | -1.485 | .141 |

a. Dependent Variable: Kepuasan Pelanggan





**Titik Persentase Distribusi t (df = 1 – 40)**

| Pr<br>df | 0.25<br>0.50 | 0.10<br>0.20 | 0.05<br>0.10 | 0.025<br>0.050 | 0.01<br>0.02 | 0.005<br>0.010 | 0.001<br>0.002 |
|----------|--------------|--------------|--------------|----------------|--------------|----------------|----------------|
| 1        | 1.00000      | 3.07768      | 6.31375      | 12.70620       | 31.82052     | 63.65674       | 318.30884      |
| 2        | 0.81650      | 1.88562      | 2.91999      | 4.30265        | 6.96456      | 9.92484        | 22.32712       |
| 3        | 0.76489      | 1.63774      | 2.35336      | 3.18245        | 4.54070      | 5.84091        | 10.21453       |
| 4        | 0.74070      | 1.53321      | 2.13185      | 2.77645        | 3.74695      | 4.60409        | 7.17318        |
| 5        | 0.72669      | 1.47588      | 2.01505      | 2.57058        | 3.36493      | 4.03214        | 5.89343        |
| 6        | 0.71756      | 1.43976      | 1.94318      | 2.44691        | 3.14267      | 3.70743        | 5.20763        |
| 7        | 0.71114      | 1.41492      | 1.89458      | 2.36462        | 2.99795      | 3.49948        | 4.78529        |
| 8        | 0.70639      | 1.39682      | 1.85955      | 2.30600        | 2.89646      | 3.35539        | 4.50079        |
| 9        | 0.70272      | 1.38303      | 1.83311      | 2.26216        | 2.82144      | 3.24984        | 4.29681        |
| 10       | 0.69981      | 1.37218      | 1.81246      | 2.22814        | 2.76377      | 3.16927        | 4.14370        |
| 11       | 0.69745      | 1.36343      | 1.79588      | 2.20099        | 2.71808      | 3.10581        | 4.02470        |
| 12       | 0.69548      | 1.35622      | 1.78229      | 2.17881        | 2.68100      | 3.05454        | 3.92963        |
| 13       | 0.69383      | 1.35017      | 1.77093      | 2.16037        | 2.65031      | 3.01228        | 3.85198        |
| 14       | 0.69242      | 1.34503      | 1.76131      | 2.14479        | 2.62449      | 2.97684        | 3.78739        |
| 15       | 0.69120      | 1.34061      | 1.75305      | 2.13145        | 2.60248      | 2.94671        | 3.73283        |
| 16       | 0.69013      | 1.33676      | 1.74588      | 2.11991        | 2.58349      | 2.92078        | 3.68615        |
| 17       | 0.68920      | 1.33338      | 1.73961      | 2.10982        | 2.56693      | 2.89823        | 3.64577        |
| 18       | 0.68836      | 1.33039      | 1.73406      | 2.10092        | 2.55238      | 2.87844        | 3.61048        |
| 19       | 0.68762      | 1.32773      | 1.72913      | 2.09302        | 2.53948      | 2.86093        | 3.57940        |
| 20       | 0.68695      | 1.32534      | 1.72472      | 2.08596        | 2.52798      | 2.84534        | 3.55181        |
| 21       | 0.68635      | 1.32319      | 1.72074      | 2.07961        | 2.51765      | 2.83136        | 3.52715        |
| 22       | 0.68581      | 1.32124      | 1.71714      | 2.07387        | 2.50832      | 2.81876        | 3.50499        |
| 23       | 0.68531      | 1.31946      | 1.71387      | 2.06866        | 2.49987      | 2.80734        | 3.48496        |
| 24       | 0.68485      | 1.31784      | 1.71088      | 2.06390        | 2.49216      | 2.79694        | 3.46678        |
| 25       | 0.68443      | 1.31635      | 1.70814      | 2.05954        | 2.48511      | 2.78744        | 3.45019        |
| 26       | 0.68404      | 1.31497      | 1.70562      | 2.05553        | 2.47863      | 2.77871        | 3.43500        |
| 27       | 0.68368      | 1.31370      | 1.70329      | 2.05183        | 2.47266      | 2.77068        | 3.42103        |
| 28       | 0.68335      | 1.31253      | 1.70113      | 2.04841        | 2.46714      | 2.76326        | 3.40816        |
| 29       | 0.68304      | 1.31143      | 1.69913      | 2.04523        | 2.46202      | 2.75639        | 3.39624        |
| 30       | 0.68276      | 1.31042      | 1.69726      | 2.04227        | 2.45726      | 2.75000        | 3.38518        |
| 31       | 0.68249      | 1.30946      | 1.69552      | 2.03951        | 2.45282      | 2.74404        | 3.37490        |
| 32       | 0.68223      | 1.30857      | 1.69389      | 2.03693        | 2.44868      | 2.73848        | 3.36531        |
| 33       | 0.68200      | 1.30774      | 1.69236      | 2.03452        | 2.44479      | 2.73328        | 3.35634        |
| 34       | 0.68177      | 1.30695      | 1.69092      | 2.03224        | 2.44115      | 2.72839        | 3.34793        |
| 35       | 0.68156      | 1.30621      | 1.68957      | 2.03011        | 2.43772      | 2.72381        | 3.34005        |
| 36       | 0.68137      | 1.30551      | 1.68830      | 2.02809        | 2.43449      | 2.71948        | 3.33262        |
| 37       | 0.68118      | 1.30485      | 1.68709      | 2.02619        | 2.43145      | 2.71541        | 3.32563        |
| 38       | 0.68100      | 1.30423      | 1.68595      | 2.02439        | 2.42857      | 2.71156        | 3.31903        |
| 39       | 0.68083      | 1.30364      | 1.68488      | 2.02269        | 2.42584      | 2.70791        | 3.31279        |
| 40       | 0.68067      | 1.30308      | 1.68385      | 2.02108        | 2.42326      | 2.70446        | 3.30688        |

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung

**Titik Persentase Distribusi t (df = 41 – 80)**

| Pr | 0.25    | 0.10    | 0.05    | 0.025   | 0.01    | 0.005   | 0.001   |
|----|---------|---------|---------|---------|---------|---------|---------|
| df | 0.50    | 0.20    | 0.10    | 0.050   | 0.02    | 0.010   | 0.002   |
| 41 | 0.68052 | 1.30254 | 1.68288 | 2.01954 | 2.42080 | 2.70118 | 3.30127 |
| 42 | 0.68038 | 1.30204 | 1.68195 | 2.01808 | 2.41847 | 2.69807 | 3.29595 |
| 43 | 0.68024 | 1.30155 | 1.68107 | 2.01669 | 2.41625 | 2.69510 | 3.29089 |
| 44 | 0.68011 | 1.30109 | 1.68023 | 2.01537 | 2.41413 | 2.69228 | 3.28607 |
| 45 | 0.67998 | 1.30065 | 1.67943 | 2.01410 | 2.41212 | 2.68959 | 3.28148 |
| 46 | 0.67986 | 1.30023 | 1.67866 | 2.01290 | 2.41019 | 2.68701 | 3.27710 |
| 47 | 0.67975 | 1.29982 | 1.67793 | 2.01174 | 2.40835 | 2.68456 | 3.27291 |
| 48 | 0.67964 | 1.29944 | 1.67722 | 2.01063 | 2.40658 | 2.68220 | 3.26891 |
| 49 | 0.67953 | 1.29907 | 1.67655 | 2.00958 | 2.40489 | 2.67995 | 3.26508 |
| 50 | 0.67943 | 1.29871 | 1.67591 | 2.00856 | 2.40327 | 2.67779 | 3.26141 |
| 51 | 0.67933 | 1.29837 | 1.67528 | 2.00758 | 2.40172 | 2.67572 | 3.25789 |
| 52 | 0.67924 | 1.29805 | 1.67469 | 2.00665 | 2.40022 | 2.67373 | 3.25451 |
| 53 | 0.67915 | 1.29773 | 1.67412 | 2.00575 | 2.39879 | 2.67182 | 3.25127 |
| 54 | 0.67906 | 1.29743 | 1.67356 | 2.00488 | 2.39741 | 2.66998 | 3.24815 |
| 55 | 0.67898 | 1.29713 | 1.67303 | 2.00404 | 2.39608 | 2.66822 | 3.24515 |
| 56 | 0.67890 | 1.29685 | 1.67252 | 2.00324 | 2.39480 | 2.66651 | 3.24226 |
| 57 | 0.67882 | 1.29658 | 1.67203 | 2.00247 | 2.39357 | 2.66487 | 3.23948 |
| 58 | 0.67874 | 1.29632 | 1.67155 | 2.00172 | 2.39238 | 2.66329 | 3.23680 |
| 59 | 0.67867 | 1.29607 | 1.67109 | 2.00100 | 2.39123 | 2.66176 | 3.23421 |
| 60 | 0.67860 | 1.29582 | 1.67065 | 2.00030 | 2.39012 | 2.66028 | 3.23171 |
| 61 | 0.67853 | 1.29558 | 1.67022 | 1.99962 | 2.38905 | 2.65886 | 3.22930 |
| 62 | 0.67847 | 1.29536 | 1.66980 | 1.99897 | 2.38801 | 2.65748 | 3.22696 |
| 63 | 0.67840 | 1.29513 | 1.66940 | 1.99834 | 2.38701 | 2.65615 | 3.22471 |
| 64 | 0.67834 | 1.29492 | 1.66901 | 1.99773 | 2.38604 | 2.65485 | 3.22253 |
| 65 | 0.67828 | 1.29471 | 1.66864 | 1.99714 | 2.38510 | 2.65360 | 3.22041 |
| 66 | 0.67823 | 1.29451 | 1.66827 | 1.99656 | 2.38419 | 2.65239 | 3.21837 |
| 67 | 0.67817 | 1.29432 | 1.66792 | 1.99601 | 2.38330 | 2.65122 | 3.21639 |
| 68 | 0.67811 | 1.29413 | 1.66757 | 1.99547 | 2.38245 | 2.65008 | 3.21446 |
| 69 | 0.67806 | 1.29394 | 1.66724 | 1.99495 | 2.38161 | 2.64898 | 3.21260 |
| 70 | 0.67801 | 1.29376 | 1.66691 | 1.99444 | 2.38081 | 2.64790 | 3.21079 |
| 71 | 0.67796 | 1.29359 | 1.66660 | 1.99394 | 2.38002 | 2.64686 | 3.20903 |
| 72 | 0.67791 | 1.29342 | 1.66629 | 1.99346 | 2.37926 | 2.64585 | 3.20733 |
| 73 | 0.67787 | 1.29326 | 1.66600 | 1.99300 | 2.37852 | 2.64487 | 3.20567 |
| 74 | 0.67782 | 1.29310 | 1.66571 | 1.99254 | 2.37780 | 2.64391 | 3.20406 |
| 75 | 0.67778 | 1.29294 | 1.66543 | 1.99210 | 2.37710 | 2.64298 | 3.20249 |
| 76 | 0.67773 | 1.29279 | 1.66515 | 1.99167 | 2.37642 | 2.64208 | 3.20096 |
| 77 | 0.67769 | 1.29264 | 1.66488 | 1.99125 | 2.37576 | 2.64120 | 3.19948 |
| 78 | 0.67765 | 1.29250 | 1.66462 | 1.99085 | 2.37511 | 2.64034 | 3.19804 |
| 79 | 0.67761 | 1.29236 | 1.66437 | 1.99045 | 2.37448 | 2.63950 | 3.19663 |
| 80 | 0.67757 | 1.29222 | 1.66412 | 1.99006 | 2.37387 | 2.63869 | 3.19526 |

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung

**Titik Persentase Distribusi t (df = 81 –120)**

| Pr  | 0.25    | 0.10    | 0.05    | 0.025   | 0.01    | 0.005   | 0.001   |
|-----|---------|---------|---------|---------|---------|---------|---------|
| df  | 0.50    | 0.20    | 0.10    | 0.050   | 0.02    | 0.010   | 0.002   |
| 81  | 0.67753 | 1.29209 | 1.66388 | 1.98969 | 2.37327 | 2.63790 | 3.19392 |
| 82  | 0.67749 | 1.29196 | 1.66365 | 1.98932 | 2.37269 | 2.63712 | 3.19262 |
| 83  | 0.67746 | 1.29183 | 1.66342 | 1.98896 | 2.37212 | 2.63637 | 3.19135 |
| 84  | 0.67742 | 1.29171 | 1.66320 | 1.98861 | 2.37156 | 2.63563 | 3.19011 |
| 85  | 0.67739 | 1.29159 | 1.66298 | 1.98827 | 2.37102 | 2.63491 | 3.18890 |
| 86  | 0.67735 | 1.29147 | 1.66277 | 1.98793 | 2.37049 | 2.63421 | 3.18772 |
| 87  | 0.67732 | 1.29136 | 1.66256 | 1.98761 | 2.36998 | 2.63353 | 3.18657 |
| 88  | 0.67729 | 1.29125 | 1.66235 | 1.98729 | 2.36947 | 2.63286 | 3.18544 |
| 89  | 0.67726 | 1.29114 | 1.66216 | 1.98698 | 2.36898 | 2.63220 | 3.18434 |
| 90  | 0.67723 | 1.29103 | 1.66196 | 1.98667 | 2.36850 | 2.63157 | 3.18327 |
| 91  | 0.67720 | 1.29092 | 1.66177 | 1.98638 | 2.36803 | 2.63094 | 3.18222 |
| 92  | 0.67717 | 1.29082 | 1.66159 | 1.98609 | 2.36757 | 2.63033 | 3.18119 |
| 93  | 0.67714 | 1.29072 | 1.66140 | 1.98580 | 2.36712 | 2.62973 | 3.18019 |
| 94  | 0.67711 | 1.29062 | 1.66123 | 1.98552 | 2.36667 | 2.62915 | 3.17921 |
| 95  | 0.67708 | 1.29053 | 1.66105 | 1.98525 | 2.36624 | 2.62858 | 3.17825 |
| 96  | 0.67705 | 1.29043 | 1.66088 | 1.98498 | 2.36582 | 2.62802 | 3.17731 |
| 97  | 0.67703 | 1.29034 | 1.66071 | 1.98472 | 2.36541 | 2.62747 | 3.17639 |
| 98  | 0.67700 | 1.29025 | 1.66055 | 1.98447 | 2.36500 | 2.62693 | 3.17549 |
| 99  | 0.67698 | 1.29016 | 1.66039 | 1.98422 | 2.36461 | 2.62641 | 3.17460 |
| 100 | 0.67695 | 1.29007 | 1.66023 | 1.98397 | 2.36422 | 2.62589 | 3.17374 |
| 101 | 0.67693 | 1.28999 | 1.66008 | 1.98373 | 2.36384 | 2.62539 | 3.17289 |
| 102 | 0.67690 | 1.28991 | 1.65993 | 1.98350 | 2.36346 | 2.62489 | 3.17206 |
| 103 | 0.67688 | 1.28982 | 1.65978 | 1.98326 | 2.36310 | 2.62441 | 3.17125 |
| 104 | 0.67686 | 1.28974 | 1.65964 | 1.98304 | 2.36274 | 2.62393 | 3.17045 |
| 105 | 0.67683 | 1.28967 | 1.65950 | 1.98282 | 2.36239 | 2.62347 | 3.16967 |
| 106 | 0.67681 | 1.28959 | 1.65936 | 1.98260 | 2.36204 | 2.62301 | 3.16890 |
| 107 | 0.67679 | 1.28951 | 1.65922 | 1.98238 | 2.36170 | 2.62256 | 3.16815 |
| 108 | 0.67677 | 1.28944 | 1.65909 | 1.98217 | 2.36137 | 2.62212 | 3.16741 |
| 109 | 0.67675 | 1.28937 | 1.65895 | 1.98197 | 2.36105 | 2.62169 | 3.16669 |
| 110 | 0.67673 | 1.28930 | 1.65882 | 1.98177 | 2.36073 | 2.62126 | 3.16598 |
| 111 | 0.67671 | 1.28922 | 1.65870 | 1.98157 | 2.36041 | 2.62085 | 3.16528 |
| 112 | 0.67669 | 1.28916 | 1.65857 | 1.98137 | 2.36010 | 2.62044 | 3.16460 |
| 113 | 0.67667 | 1.28909 | 1.65845 | 1.98118 | 2.35980 | 2.62004 | 3.16392 |
| 114 | 0.67665 | 1.28902 | 1.65833 | 1.98099 | 2.35950 | 2.61964 | 3.16326 |
| 115 | 0.67663 | 1.28896 | 1.65821 | 1.98081 | 2.35921 | 2.61926 | 3.16262 |
| 116 | 0.67661 | 1.28889 | 1.65810 | 1.98063 | 2.35892 | 2.61888 | 3.16198 |
| 117 | 0.67659 | 1.28883 | 1.65798 | 1.98045 | 2.35864 | 2.61850 | 3.16135 |
| 118 | 0.67657 | 1.28877 | 1.65787 | 1.98027 | 2.35837 | 2.61814 | 3.16074 |
| 119 | 0.67656 | 1.28871 | 1.65776 | 1.98010 | 2.35809 | 2.61778 | 3.16013 |
| 120 | 0.67654 | 1.28865 | 1.65765 | 1.97993 | 2.35782 | 2.61742 | 3.15954 |

Catatan: Probabilita yang lebih kecil yang ditunjukkan pada judul tiap kolom adalah luas daerah dalam satu ujung, sedangkan probabilitas yang lebih besar adalah luas daerah dalam kedua ujung



**Titik Persentase Distribusi F untuk Probabilita = 0,05**

| df untuk<br>pembilang | df untuk<br>pembilang |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                       | 1                     | 2     | 3     | 4     | 5     | 6     | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    | 15    |
| 1                     | 161                   | 199   | 216   | 225   | 230   | 234   | 237   | 239   | 241   | 242   | 243   | 244   | 245   | 245   | 246   |
| 2                     | 18.51                 | 19.00 | 19.16 | 19.25 | 19.30 | 19.33 | 19.35 | 19.37 | 19.38 | 19.40 | 19.40 | 19.41 | 19.42 | 19.42 | 19.43 |
| 3                     | 10.13                 | 9.55  | 9.28  | 9.12  | 9.01  | 8.94  | 8.89  | 8.85  | 8.81  | 8.79  | 8.76  | 8.74  | 8.73  | 8.71  | 8.70  |
| 4                     | 7.71                  | 6.94  | 6.59  | 6.39  | 6.26  | 6.16  | 6.09  | 6.04  | 6.00  | 5.96  | 5.94  | 5.91  | 5.89  | 5.87  | 5.86  |
| 5                     | 6.61                  | 5.79  | 5.41  | 5.19  | 5.05  | 4.95  | 4.88  | 4.82  | 4.77  | 4.74  | 4.70  | 4.68  | 4.66  | 4.64  | 4.62  |
| 6                     | 5.99                  | 5.14  | 4.76  | 4.53  | 4.39  | 4.28  | 4.21  | 4.15  | 4.10  | 4.06  | 4.03  | 4.00  | 3.98  | 3.96  | 3.94  |
| 7                     | 5.59                  | 4.74  | 4.35  | 4.12  | 3.97  | 3.87  | 3.79  | 3.73  | 3.68  | 3.64  | 3.60  | 3.57  | 3.55  | 3.53  | 3.51  |
| 8                     | 5.32                  | 4.46  | 4.07  | 3.84  | 3.69  | 3.58  | 3.50  | 3.44  | 3.39  | 3.35  | 3.31  | 3.28  | 3.26  | 3.24  | 3.22  |
| 9                     | 5.12                  | 4.26  | 3.86  | 3.63  | 3.48  | 3.37  | 3.29  | 3.23  | 3.18  | 3.14  | 3.10  | 3.07  | 3.05  | 3.03  | 3.01  |
| 10                    | 4.96                  | 4.10  | 3.71  | 3.48  | 3.33  | 3.22  | 3.14  | 3.07  | 3.02  | 2.98  | 2.94  | 2.91  | 2.89  | 2.86  | 2.85  |
| 11                    | 4.84                  | 3.98  | 3.59  | 3.36  | 3.20  | 3.09  | 3.01  | 2.95  | 2.90  | 2.85  | 2.82  | 2.79  | 2.76  | 2.74  | 2.72  |
| 12                    | 4.75                  | 3.89  | 3.49  | 3.26  | 3.11  | 3.00  | 2.91  | 2.85  | 2.80  | 2.75  | 2.72  | 2.69  | 2.66  | 2.64  | 2.62  |
| 13                    | 4.67                  | 3.81  | 3.41  | 3.18  | 3.03  | 2.92  | 2.83  | 2.77  | 2.71  | 2.67  | 2.63  | 2.60  | 2.58  | 2.55  | 2.53  |
| 14                    | 4.60                  | 3.74  | 3.34  | 3.11  | 2.96  | 2.85  | 2.76  | 2.70  | 2.65  | 2.60  | 2.57  | 2.53  | 2.51  | 2.48  | 2.46  |
| 15                    | 4.54                  | 3.68  | 3.29  | 3.06  | 2.90  | 2.79  | 2.71  | 2.64  | 2.59  | 2.54  | 2.51  | 2.48  | 2.45  | 2.42  | 2.40  |
| 16                    | 4.49                  | 3.63  | 3.24  | 3.01  | 2.85  | 2.74  | 2.66  | 2.59  | 2.54  | 2.49  | 2.46  | 2.42  | 2.40  | 2.37  | 2.35  |
| 17                    | 4.45                  | 3.59  | 3.20  | 2.96  | 2.81  | 2.70  | 2.61  | 2.55  | 2.49  | 2.45  | 2.41  | 2.38  | 2.35  | 2.33  | 2.31  |
| 18                    | 4.41                  | 3.55  | 3.16  | 2.93  | 2.77  | 2.66  | 2.58  | 2.51  | 2.46  | 2.41  | 2.37  | 2.34  | 2.31  | 2.29  | 2.27  |
| 19                    | 4.38                  | 3.52  | 3.13  | 2.90  | 2.74  | 2.63  | 2.54  | 2.48  | 2.42  | 2.38  | 2.34  | 2.31  | 2.28  | 2.26  | 2.23  |
| 20                    | 4.35                  | 3.49  | 3.10  | 2.87  | 2.71  | 2.60  | 2.51  | 2.45  | 2.39  | 2.35  | 2.31  | 2.28  | 2.25  | 2.22  | 2.20  |
| 21                    | 4.32                  | 3.47  | 3.07  | 2.84  | 2.68  | 2.57  | 2.49  | 2.42  | 2.37  | 2.32  | 2.28  | 2.25  | 2.22  | 2.20  | 2.18  |
| 22                    | 4.30                  | 3.44  | 3.05  | 2.82  | 2.66  | 2.55  | 2.46  | 2.40  | 2.34  | 2.30  | 2.26  | 2.23  | 2.20  | 2.17  | 2.15  |
| 23                    | 4.28                  | 3.42  | 3.03  | 2.80  | 2.64  | 2.53  | 2.44  | 2.37  | 2.32  | 2.27  | 2.24  | 2.20  | 2.18  | 2.15  | 2.13  |
| 24                    | 4.26                  | 3.40  | 3.01  | 2.78  | 2.62  | 2.51  | 2.42  | 2.36  | 2.30  | 2.25  | 2.22  | 2.18  | 2.15  | 2.13  | 2.11  |
| 25                    | 4.24                  | 3.39  | 2.99  | 2.76  | 2.60  | 2.49  | 2.40  | 2.34  | 2.28  | 2.24  | 2.20  | 2.16  | 2.14  | 2.11  | 2.09  |
| 26                    | 4.23                  | 3.37  | 2.98  | 2.74  | 2.59  | 2.47  | 2.39  | 2.32  | 2.27  | 2.22  | 2.18  | 2.15  | 2.12  | 2.09  | 2.07  |
| 27                    | 4.21                  | 3.35  | 2.96  | 2.73  | 2.57  | 2.46  | 2.37  | 2.31  | 2.25  | 2.20  | 2.17  | 2.13  | 2.10  | 2.08  | 2.06  |
| 28                    | 4.20                  | 3.34  | 2.95  | 2.71  | 2.56  | 2.45  | 2.36  | 2.29  | 2.24  | 2.19  | 2.15  | 2.12  | 2.09  | 2.06  | 2.04  |
| 29                    | 4.18                  | 3.33  | 2.93  | 2.70  | 2.55  | 2.43  | 2.35  | 2.28  | 2.22  | 2.18  | 2.14  | 2.10  | 2.08  | 2.05  | 2.03  |
| 30                    | 4.17                  | 3.32  | 2.92  | 2.69  | 2.53  | 2.42  | 2.33  | 2.27  | 2.21  | 2.16  | 2.13  | 2.09  | 2.06  | 2.04  | 2.01  |
| 31                    | 4.16                  | 3.30  | 2.91  | 2.68  | 2.52  | 2.41  | 2.32  | 2.25  | 2.20  | 2.15  | 2.11  | 2.08  | 2.05  | 2.03  | 2.00  |
| 32                    | 4.15                  | 3.29  | 2.90  | 2.67  | 2.51  | 2.40  | 2.31  | 2.24  | 2.19  | 2.14  | 2.10  | 2.07  | 2.04  | 2.01  | 1.99  |
| 33                    | 4.14                  | 3.28  | 2.89  | 2.66  | 2.50  | 2.39  | 2.30  | 2.23  | 2.18  | 2.13  | 2.09  | 2.06  | 2.03  | 2.00  | 1.98  |
| 34                    | 4.13                  | 3.28  | 2.88  | 2.65  | 2.49  | 2.38  | 2.29  | 2.23  | 2.17  | 2.12  | 2.08  | 2.05  | 2.02  | 1.99  | 1.97  |
| 35                    | 4.12                  | 3.27  | 2.87  | 2.64  | 2.49  | 2.37  | 2.29  | 2.22  | 2.16  | 2.11  | 2.07  | 2.04  | 2.01  | 1.99  | 1.96  |
| 36                    | 4.11                  | 3.26  | 2.87  | 2.63  | 2.48  | 2.36  | 2.28  | 2.21  | 2.15  | 2.11  | 2.07  | 2.03  | 2.00  | 1.98  | 1.95  |
| 37                    | 4.11                  | 3.25  | 2.86  | 2.63  | 2.47  | 2.36  | 2.27  | 2.20  | 2.14  | 2.10  | 2.06  | 2.02  | 2.00  | 1.97  | 1.95  |
| 38                    | 4.10                  | 3.24  | 2.85  | 2.62  | 2.46  | 2.35  | 2.26  | 2.19  | 2.14  | 2.09  | 2.05  | 2.02  | 1.99  | 1.96  | 1.94  |
| 39                    | 4.09                  | 3.24  | 2.85  | 2.61  | 2.46  | 2.34  | 2.26  | 2.19  | 2.13  | 2.08  | 2.04  | 2.01  | 1.98  | 1.95  | 1.93  |
| 40                    | 4.08                  | 3.23  | 2.84  | 2.61  | 2.45  | 2.34  | 2.25  | 2.18  | 2.12  | 2.08  | 2.04  | 2.00  | 1.97  | 1.95  | 1.92  |
| 41                    | 4.08                  | 3.23  | 2.83  | 2.60  | 2.44  | 2.33  | 2.24  | 2.17  | 2.12  | 2.07  | 2.03  | 2.00  | 1.97  | 1.94  | 1.92  |
| 42                    | 4.07                  | 3.22  | 2.83  | 2.59  | 2.44  | 2.32  | 2.24  | 2.17  | 2.11  | 2.06  | 2.03  | 1.99  | 1.96  | 1.94  | 1.91  |
| 43                    | 4.07                  | 3.21  | 2.82  | 2.59  | 2.43  | 2.32  | 2.23  | 2.16  | 2.11  | 2.06  | 2.02  | 1.99  | 1.96  | 1.93  | 1.91  |
| 44                    | 4.06                  | 3.21  | 2.82  | 2.58  | 2.43  | 2.31  | 2.23  | 2.16  | 2.10  | 2.05  | 2.01  | 1.98  | 1.95  | 1.92  | 1.90  |
| 45                    | 4.06                  | 3.20  | 2.81  | 2.58  | 2.42  | 2.31  | 2.22  | 2.15  | 2.10  | 2.05  | 2.01  | 1.97  | 1.94  | 1.92  | 1.89  |

**Titik Persentase Distribusi F untuk Probabilita = 0,05**

| df untuk penyebut (N2) | df untuk pembilang (N1) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                        | 1                       | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 46                     | 4.05                    | 3.20 | 2.81 | 2.57 | 2.42 | 2.30 | 2.22 | 2.15 | 2.09 | 2.04 | 2.00 | 1.97 | 1.94 | 1.91 | 1.89 |
| 47                     | 4.05                    | 3.20 | 2.80 | 2.57 | 2.41 | 2.30 | 2.21 | 2.14 | 2.09 | 2.04 | 2.00 | 1.96 | 1.93 | 1.91 | 1.88 |
| 48                     | 4.04                    | 3.19 | 2.80 | 2.57 | 2.41 | 2.29 | 2.21 | 2.14 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 |
| 49                     | 4.04                    | 3.19 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.08 | 2.03 | 1.99 | 1.96 | 1.93 | 1.90 | 1.88 |
| 50                     | 4.03                    | 3.18 | 2.79 | 2.56 | 2.40 | 2.29 | 2.20 | 2.13 | 2.07 | 2.03 | 1.99 | 1.95 | 1.92 | 1.89 | 1.87 |
| 51                     | 4.03                    | 3.18 | 2.79 | 2.55 | 2.40 | 2.28 | 2.20 | 2.13 | 2.07 | 2.02 | 1.98 | 1.95 | 1.92 | 1.89 | 1.87 |
| 52                     | 4.03                    | 3.18 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.07 | 2.02 | 1.98 | 1.94 | 1.91 | 1.89 | 1.86 |
| 53                     | 4.02                    | 3.17 | 2.78 | 2.55 | 2.39 | 2.28 | 2.19 | 2.12 | 2.06 | 2.01 | 1.97 | 1.94 | 1.91 | 1.88 | 1.86 |
| 54                     | 4.02                    | 3.17 | 2.78 | 2.54 | 2.39 | 2.27 | 2.18 | 2.12 | 2.06 | 2.01 | 1.97 | 1.94 | 1.91 | 1.88 | 1.86 |
| 55                     | 4.02                    | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.06 | 2.01 | 1.97 | 1.93 | 1.90 | 1.88 | 1.85 |
| 56                     | 4.01                    | 3.16 | 2.77 | 2.54 | 2.38 | 2.27 | 2.18 | 2.11 | 2.05 | 2.00 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 |
| 57                     | 4.01                    | 3.16 | 2.77 | 2.53 | 2.38 | 2.26 | 2.18 | 2.11 | 2.05 | 2.00 | 1.96 | 1.93 | 1.90 | 1.87 | 1.85 |
| 58                     | 4.01                    | 3.16 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.05 | 2.00 | 1.96 | 1.92 | 1.89 | 1.87 | 1.84 |
| 59                     | 4.00                    | 3.15 | 2.76 | 2.53 | 2.37 | 2.26 | 2.17 | 2.10 | 2.04 | 2.00 | 1.96 | 1.92 | 1.89 | 1.86 | 1.84 |
| 60                     | 4.00                    | 3.15 | 2.76 | 2.53 | 2.37 | 2.25 | 2.17 | 2.10 | 2.04 | 1.99 | 1.95 | 1.92 | 1.89 | 1.86 | 1.84 |
| 61                     | 4.00                    | 3.15 | 2.76 | 2.52 | 2.37 | 2.25 | 2.16 | 2.09 | 2.04 | 1.99 | 1.95 | 1.91 | 1.88 | 1.86 | 1.83 |
| 62                     | 4.00                    | 3.15 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.99 | 1.95 | 1.91 | 1.88 | 1.85 | 1.83 |
| 63                     | 3.99                    | 3.14 | 2.75 | 2.52 | 2.36 | 2.25 | 2.16 | 2.09 | 2.03 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 |
| 64                     | 3.99                    | 3.14 | 2.75 | 2.52 | 2.36 | 2.24 | 2.16 | 2.09 | 2.03 | 1.98 | 1.94 | 1.91 | 1.88 | 1.85 | 1.83 |
| 65                     | 3.99                    | 3.14 | 2.75 | 2.51 | 2.36 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 | 1.94 | 1.90 | 1.87 | 1.85 | 1.82 |
| 66                     | 3.99                    | 3.14 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.03 | 1.98 | 1.94 | 1.90 | 1.87 | 1.84 | 1.82 |
| 67                     | 3.98                    | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.98 | 1.93 | 1.90 | 1.87 | 1.84 | 1.82 |
| 68                     | 3.98                    | 3.13 | 2.74 | 2.51 | 2.35 | 2.24 | 2.15 | 2.08 | 2.02 | 1.97 | 1.93 | 1.90 | 1.87 | 1.84 | 1.82 |
| 69                     | 3.98                    | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.15 | 2.08 | 2.02 | 1.97 | 1.93 | 1.90 | 1.86 | 1.84 | 1.81 |
| 70                     | 3.98                    | 3.13 | 2.74 | 2.50 | 2.35 | 2.23 | 2.14 | 2.07 | 2.02 | 1.97 | 1.93 | 1.89 | 1.86 | 1.84 | 1.81 |
| 71                     | 3.98                    | 3.13 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.97 | 1.93 | 1.89 | 1.86 | 1.83 | 1.81 |
| 72                     | 3.97                    | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.86 | 1.83 | 1.81 |
| 73                     | 3.97                    | 3.12 | 2.73 | 2.50 | 2.34 | 2.23 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.86 | 1.83 | 1.81 |
| 74                     | 3.97                    | 3.12 | 2.73 | 2.50 | 2.34 | 2.22 | 2.14 | 2.07 | 2.01 | 1.96 | 1.92 | 1.89 | 1.85 | 1.83 | 1.80 |
| 75                     | 3.97                    | 3.12 | 2.73 | 2.49 | 2.34 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 | 1.92 | 1.88 | 1.85 | 1.83 | 1.80 |
| 76                     | 3.97                    | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.01 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.80 |
| 77                     | 3.97                    | 3.12 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.96 | 1.92 | 1.88 | 1.85 | 1.82 | 1.80 |
| 78                     | 3.96                    | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.82 | 1.80 |
| 79                     | 3.96                    | 3.11 | 2.72 | 2.49 | 2.33 | 2.22 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.85 | 1.82 | 1.79 |
| 80                     | 3.96                    | 3.11 | 2.72 | 2.49 | 2.33 | 2.21 | 2.13 | 2.06 | 2.00 | 1.95 | 1.91 | 1.88 | 1.84 | 1.82 | 1.79 |
| 81                     | 3.96                    | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 | 1.91 | 1.87 | 1.84 | 1.82 | 1.79 |
| 82                     | 3.96                    | 3.11 | 2.72 | 2.48 | 2.33 | 2.21 | 2.12 | 2.05 | 2.00 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.79 |
| 83                     | 3.96                    | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 | 1.91 | 1.87 | 1.84 | 1.81 | 1.79 |
| 84                     | 3.95                    | 3.11 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.95 | 1.90 | 1.87 | 1.84 | 1.81 | 1.79 |
| 85                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.84 | 1.81 | 1.79 |
| 86                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.21 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.84 | 1.81 | 1.78 |
| 87                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.87 | 1.83 | 1.81 | 1.78 |
| 88                     | 3.95                    | 3.10 | 2.71 | 2.48 | 2.32 | 2.20 | 2.12 | 2.05 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.81 | 1.78 |

|    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 89 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |
| 90 | 3.95 | 3.10 | 2.71 | 2.47 | 2.32 | 2.20 | 2.11 | 2.04 | 1.99 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |



**Titik Persentase Distribusi F untuk Probabilita = 0,05**

| df untuk penyebut (N2) | df untuk pembilang (N1) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|------------------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                        | 1                       | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 12   | 13   | 14   | 15   |
| 91                     | 3.95                    | 3.10 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.94 | 1.90 | 1.86 | 1.83 | 1.80 | 1.78 |
| 92                     | 3.94                    | 3.10 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.94 | 1.89 | 1.86 | 1.83 | 1.80 | 1.78 |
| 93                     | 3.94                    | 3.09 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.86 | 1.83 | 1.80 | 1.78 |
| 94                     | 3.94                    | 3.09 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.86 | 1.83 | 1.80 | 1.77 |
| 95                     | 3.94                    | 3.09 | 2.70 | 2.47 | 2.31 | 2.20 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.86 | 1.82 | 1.80 | 1.77 |
| 96                     | 3.94                    | 3.09 | 2.70 | 2.47 | 2.31 | 2.19 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.80 | 1.77 |
| 97                     | 3.94                    | 3.09 | 2.70 | 2.47 | 2.31 | 2.19 | 2.11 | 2.04 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.80 | 1.77 |
| 98                     | 3.94                    | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.79 | 1.77 |
| 99                     | 3.94                    | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.98 | 1.93 | 1.89 | 1.85 | 1.82 | 1.79 | 1.77 |
| 100                    | 3.94                    | 3.09 | 2.70 | 2.46 | 2.31 | 2.19 | 2.10 | 2.03 | 1.97 | 1.93 | 1.89 | 1.85 | 1.82 | 1.79 | 1.77 |
| 101                    | 3.94                    | 3.09 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.93 | 1.88 | 1.85 | 1.82 | 1.79 | 1.77 |
| 102                    | 3.93                    | 3.09 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.82 | 1.79 | 1.77 |
| 103                    | 3.93                    | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.82 | 1.79 | 1.76 |
| 104                    | 3.93                    | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.82 | 1.79 | 1.76 |
| 105                    | 3.93                    | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.85 | 1.81 | 1.79 | 1.76 |
| 106                    | 3.93                    | 3.08 | 2.69 | 2.46 | 2.30 | 2.19 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.79 | 1.76 |
| 107                    | 3.93                    | 3.08 | 2.69 | 2.46 | 2.30 | 2.18 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.79 | 1.76 |
| 108                    | 3.93                    | 3.08 | 2.69 | 2.46 | 2.30 | 2.18 | 2.10 | 2.03 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 109                    | 3.93                    | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 110                    | 3.93                    | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 111                    | 3.93                    | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.97 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 112                    | 3.93                    | 3.08 | 2.69 | 2.45 | 2.30 | 2.18 | 2.09 | 2.02 | 1.96 | 1.92 | 1.88 | 1.84 | 1.81 | 1.78 | 1.76 |
| 113                    | 3.93                    | 3.08 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.92 | 1.87 | 1.84 | 1.81 | 1.78 | 1.76 |
| 114                    | 3.92                    | 3.08 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.75 |
| 115                    | 3.92                    | 3.08 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.75 |
| 116                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.81 | 1.78 | 1.75 |
| 117                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.80 | 1.78 | 1.75 |
| 118                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.84 | 1.80 | 1.78 | 1.75 |
| 119                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.78 | 1.75 |
| 120                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.18 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.78 | 1.75 |
| 121                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.17 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 122                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.17 | 2.09 | 2.02 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 123                    | 3.92                    | 3.07 | 2.68 | 2.45 | 2.29 | 2.17 | 2.08 | 2.01 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 124                    | 3.92                    | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 125                    | 3.92                    | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.96 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 126                    | 3.92                    | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.95 | 1.91 | 1.87 | 1.83 | 1.80 | 1.77 | 1.75 |
| 127                    | 3.92                    | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.95 | 1.91 | 1.86 | 1.83 | 1.80 | 1.77 | 1.75 |
| 128                    | 3.92                    | 3.07 | 2.68 | 2.44 | 2.29 | 2.17 | 2.08 | 2.01 | 1.95 | 1.91 | 1.86 | 1.83 | 1.80 | 1.77 | 1.75 |
| 129                    | 3.91                    | 3.07 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.77 | 1.74 |
| 130                    | 3.91                    | 3.07 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.77 | 1.74 |
| 131                    | 3.91                    | 3.07 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.80 | 1.77 | 1.74 |
| 132                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.79 | 1.77 | 1.74 |
| 133                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.79 | 1.77 | 1.74 |
| 134                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.83 | 1.79 | 1.77 | 1.74 |
| 135                    | 3.91                    | 3.06 | 2.67 | 2.44 | 2.28 | 2.17 | 2.08 | 2.01 | 1.95 | 1.90 | 1.86 | 1.82 | 1.79 | 1.77 | 1.74 |



| df = (N-2) | Tingkat signifikansi untuk uji satu arah |        |        |        |        |
|------------|--|--------|--------|--------|--------|
|            | 0.05                                     | 0.025  | 0.01   | 0.005  | 0.0005 |
|            | Tingkat signifikansi untuk uji dua arah  |        |        |        |        |
|            | 0.1                                      | 0.05   | 0.02   | 0.01   | 0.001  |
| 1          | 0.9877                                   | 0.9969 | 0.9995 | 0.9999 | 1.0000 |
| 2          | 0.9000                                   | 0.9500 | 0.9800 | 0.9900 | 0.9990 |
| 3          | 0.8054                                   | 0.8783 | 0.9343 | 0.9587 | 0.9911 |
| 4          | 0.7293                                   | 0.8114 | 0.8822 | 0.9172 | 0.9741 |
| 5          | 0.6694                                   | 0.7545 | 0.8329 | 0.8745 | 0.9509 |
| 6          | 0.6215                                   | 0.7067 | 0.7887 | 0.8343 | 0.9249 |
| 7          | 0.5822                                   | 0.6664 | 0.7498 | 0.7977 | 0.8983 |
| 8          | 0.5494                                   | 0.6319 | 0.7155 | 0.7646 | 0.8721 |
| 9          | 0.5214                                   | 0.6021 | 0.6851 | 0.7348 | 0.8470 |
| 10         | 0.4973                                   | 0.5760 | 0.6581 | 0.7079 | 0.8233 |
| 11         | 0.4762                                   | 0.5529 | 0.6339 | 0.6835 | 0.8010 |
| 12         | 0.4575                                   | 0.5324 | 0.6120 | 0.6614 | 0.7800 |
| 13         | 0.4409                                   | 0.5140 | 0.5923 | 0.6411 | 0.7604 |
| 14         | 0.4259                                   | 0.4973 | 0.5742 | 0.6226 | 0.7419 |
| 15         | 0.4124                                   | 0.4821 | 0.5577 | 0.6055 | 0.7247 |
| 16         | 0.4000                                   | 0.4683 | 0.5425 | 0.5897 | 0.7084 |
| 17         | 0.3887                                   | 0.4555 | 0.5285 | 0.5751 | 0.6932 |
| 18         | 0.3783                                   | 0.4438 | 0.5155 | 0.5614 | 0.6788 |
| 19         | 0.3687                                   | 0.4329 | 0.5034 | 0.5487 | 0.6652 |
| 20         | 0.3598                                   | 0.4227 | 0.4921 | 0.5368 | 0.6524 |
| 21         | 0.3515                                   | 0.4132 | 0.4815 | 0.5256 | 0.6402 |
| 22         | 0.3438                                   | 0.4044 | 0.4716 | 0.5151 | 0.6287 |
| 23         | 0.3365                                   | 0.3961 | 0.4622 | 0.5052 | 0.6178 |
| 24         | 0.3297                                   | 0.3882 | 0.4534 | 0.4958 | 0.6074 |
| 25         | 0.3233                                   | 0.3809 | 0.4451 | 0.4869 | 0.5974 |
| 26         | 0.3172                                   | 0.3739 | 0.4372 | 0.4785 | 0.5880 |
| 27         | 0.3115                                   | 0.3673 | 0.4297 | 0.4705 | 0.5790 |
| 28         | 0.3061                                   | 0.3610 | 0.4226 | 0.4629 | 0.5703 |
| 29         | 0.3009                                   | 0.3550 | 0.4158 | 0.4556 | 0.5620 |
| 30         | 0.2960                                   | 0.3494 | 0.4093 | 0.4487 | 0.5541 |
| 31         | 0.2913                                   | 0.3440 | 0.4032 | 0.4421 | 0.5465 |
| 32         | 0.2869                                   | 0.3388 | 0.3972 | 0.4357 | 0.5392 |
| 33         | 0.2826                                   | 0.3338 | 0.3916 | 0.4296 | 0.5322 |
| 34         | 0.2785                                   | 0.3291 | 0.3862 | 0.4238 | 0.5254 |
| 35         | 0.2746                                   | 0.3246 | 0.3810 | 0.4182 | 0.5189 |

|    |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|
| 36 | 0.2709 | 0.3202 | 0.3760 | 0.4128 | 0.5126 |
| 37 | 0.2673 | 0.3160 | 0.3712 | 0.4076 | 0.5066 |
| 38 | 0.2638 | 0.3120 | 0.3665 | 0.4026 | 0.5007 |
| 39 | 0.2605 | 0.3081 | 0.3621 | 0.3978 | 0.4950 |
| 40 | 0.2573 | 0.3044 | 0.3578 | 0.3932 | 0.4896 |
| 41 | 0.2542 | 0.3008 | 0.3536 | 0.3887 | 0.4843 |
| 42 | 0.2512 | 0.2973 | 0.3496 | 0.3843 | 0.4791 |
| 43 | 0.2483 | 0.2940 | 0.3457 | 0.3801 | 0.4742 |
| 44 | 0.2455 | 0.2907 | 0.3420 | 0.3761 | 0.4694 |
| 45 | 0.2429 | 0.2876 | 0.3384 | 0.3721 | 0.4647 |
| 46 | 0.2403 | 0.2845 | 0.3348 | 0.3683 | 0.4601 |
| 47 | 0.2377 | 0.2816 | 0.3314 | 0.3646 | 0.4557 |
| 48 | 0.2353 | 0.2787 | 0.3281 | 0.3610 | 0.4514 |
| 49 | 0.2329 | 0.2759 | 0.3249 | 0.3575 | 0.4473 |
| 50 | 0.2306 | 0.2732 | 0.3218 | 0.3542 | 0.4432 |

| df = (N-2) | Tingkat signifikansi untuk uji satu arah |        |        |        |        |
|------------|--|--------|--------|--------|--------|
|            | 0.05                                     | 0.025  | 0.01   | 0.005  | 0.0005 |
|            | Tingkat signifikansi untuk uji dua arah  |        |        |        |        |
|            | 0.1                                      | 0.05   | 0.02   | 0.01   | 0.001  |
| 51         | 0.2284                                   | 0.2706 | 0.3188 | 0.3509 | 0.4393 |
| 52         | 0.2262                                   | 0.2681 | 0.3158 | 0.3477 | 0.4354 |
| 53         | 0.2241                                   | 0.2656 | 0.3129 | 0.3445 | 0.4317 |
| 54         | 0.2221                                   | 0.2632 | 0.3102 | 0.3415 | 0.4280 |
| 55         | 0.2201                                   | 0.2609 | 0.3074 | 0.3385 | 0.4244 |
| 56         | 0.2181                                   | 0.2586 | 0.3048 | 0.3357 | 0.4210 |
| 57         | 0.2162                                   | 0.2564 | 0.3022 | 0.3328 | 0.4176 |
| 58         | 0.2144                                   | 0.2542 | 0.2997 | 0.3301 | 0.4143 |
| 59         | 0.2126                                   | 0.2521 | 0.2972 | 0.3274 | 0.4110 |
| 60         | 0.2108                                   | 0.2500 | 0.2948 | 0.3248 | 0.4079 |
| 61         | 0.2091                                   | 0.2480 | 0.2925 | 0.3223 | 0.4048 |
| 62         | 0.2075                                   | 0.2461 | 0.2902 | 0.3198 | 0.4018 |
| 63         | 0.2058                                   | 0.2441 | 0.2880 | 0.3173 | 0.3988 |
| 64         | 0.2042                                   | 0.2423 | 0.2858 | 0.3150 | 0.3959 |
| 65         | 0.2027                                   | 0.2404 | 0.2837 | 0.3126 | 0.3931 |
| 66         | 0.2012                                   | 0.2387 | 0.2816 | 0.3104 | 0.3903 |
| 67         | 0.1997                                   | 0.2369 | 0.2796 | 0.3081 | 0.3876 |
| 68         | 0.1982                                   | 0.2352 | 0.2776 | 0.3060 | 0.3850 |
| 69         | 0.1968                                   | 0.2335 | 0.2756 | 0.3038 | 0.3823 |
| 70         | 0.1954                                   | 0.2319 | 0.2737 | 0.3017 | 0.3798 |

|     |        |        |        |        |        |
|-----|--------|--------|--------|--------|--------|
| 71  | 0.1940 | 0.2303 | 0.2718 | 0.2997 | 0.3773 |
| 72  | 0.1927 | 0.2287 | 0.2700 | 0.2977 | 0.3748 |
| 73  | 0.1914 | 0.2272 | 0.2682 | 0.2957 | 0.3724 |
| 74  | 0.1901 | 0.2257 | 0.2664 | 0.2938 | 0.3701 |
| 75  | 0.1888 | 0.2242 | 0.2647 | 0.2919 | 0.3678 |
| 76  | 0.1876 | 0.2227 | 0.2630 | 0.2900 | 0.3655 |
| 77  | 0.1864 | 0.2213 | 0.2613 | 0.2882 | 0.3633 |
| 78  | 0.1852 | 0.2199 | 0.2597 | 0.2864 | 0.3611 |
| 79  | 0.1841 | 0.2185 | 0.2581 | 0.2847 | 0.3589 |
| 80  | 0.1829 | 0.2172 | 0.2565 | 0.2830 | 0.3568 |
| 81  | 0.1818 | 0.2159 | 0.2550 | 0.2813 | 0.3547 |
| 82  | 0.1807 | 0.2146 | 0.2535 | 0.2796 | 0.3527 |
| 83  | 0.1796 | 0.2133 | 0.2520 | 0.2780 | 0.3507 |
| 84  | 0.1786 | 0.2120 | 0.2505 | 0.2764 | 0.3487 |
| 85  | 0.1775 | 0.2108 | 0.2491 | 0.2748 | 0.3468 |
| 86  | 0.1765 | 0.2096 | 0.2477 | 0.2732 | 0.3449 |
| 87  | 0.1755 | 0.2084 | 0.2463 | 0.2717 | 0.3430 |
| 88  | 0.1745 | 0.2072 | 0.2449 | 0.2702 | 0.3412 |
| 89  | 0.1735 | 0.2061 | 0.2435 | 0.2687 | 0.3393 |
| 90  | 0.1726 | 0.2050 | 0.2422 | 0.2673 | 0.3375 |
| 91  | 0.1716 | 0.2039 | 0.2409 | 0.2659 | 0.3358 |
| 92  | 0.1707 | 0.2028 | 0.2396 | 0.2645 | 0.3341 |
| 93  | 0.1698 | 0.2017 | 0.2384 | 0.2631 | 0.3323 |
| 94  | 0.1689 | 0.2006 | 0.2371 | 0.2617 | 0.3307 |
| 95  | 0.1680 | 0.1996 | 0.2359 | 0.2604 | 0.3290 |
| 96  | 0.1671 | 0.1986 | 0.2347 | 0.2591 | 0.3274 |
| 97  | 0.1663 | 0.1975 | 0.2335 | 0.2578 | 0.3258 |
| 98  | 0.1654 | 0.1966 | 0.2324 | 0.2565 | 0.3242 |
| 99  | 0.1646 | 0.1956 | 0.2312 | 0.2552 | 0.3226 |
| 100 | 0.1638 | 0.1946 | 0.2301 | 0.2540 | 0.3211 |